EO LESNI BY-PASS EVENT
EMISSIONS CALCULATION

LEL = 3% or 30,000 ppm
EO 5 ppm = 9 mg / cubic meter
10 g / cubic meter = 18.5% LEL

Maximum possible emissions:

Lesni Fan Max Air Flow	13000	cubic meters / hour
Theoretical maximum concentration	10	grams / cubic meter
Release time for shutdown	8	seconds
Release time for main fan	60	seconds
Concentration estimated	0.2	grams / cubic meter

Mass flow of EO during shut down:
Airflow max / seconds per hour x max concentration X time: 289 grams

Mass Flow of EO during main fan shut down
Airflow max / seconds per hour X Concentration X time: 43 grams

Total Max possible emissions: 332 grams
0.73243 **Pounds**

Calculated emissions:

Actual LEL percentage	**0**	Input from Lesni Bypass event (log book)
Calculated concentration in Grams	0	
Actual Air Flow rate in cubic meters per hour	**13000**	Input from Lesni Bypass event (log book)

Mass flow of EO during shut down:
Airflow max / seconds per hour x calculated concentration X time: 0

Mass Flow of EO during main fan shut down
Airflow max / seconds per hour X Concentration X time: 0

Total by-pass event EO actually released = 0 grams
0 **pounds**